CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

EMB

(Pre-Measurement Sheet and Measurement Sheet)

Fifth and Part Bill

BOOK NO - 05

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

PREMEASUREMENT SHEET

Fifth and Part Bill

Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 10		Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge.							
Measurements taken on		12-04-21 12-04-21							
		Quantity Measured in 3rd RA Bill	Sqm					131.61	
		Quantity Measured in 4th RA Bill	Sqm					104.65	
		Present Bill Measuement							
		Bangla School							
		Columns upto First floor Roof beam bottom							
		New Building							
		C1	Sqm	2	1.8		2.85	10.26	
		C2	Sqm	7	1.8		2.85	35.91	
		C2	Sqm	1	1.8		3.00	5.40	
		C2'	Sqm	2	1.8		3.00	10.80	
		C3	Sqm	4	1.8		3.00	21.60	
		C4	Sqm	4	1.8		3.00	21.60	
		C5	Sqm	7	1.2		3.00	25.20	
		Existing Building							
		Columns upto First floor							
		C	Sqm	15	1.4		3.15	66.15	
		C	Sqm	8	0.8		3.15	20.16	
		C	Cum	1	0.9		3.15	2.84	
							Total Executed Quantity	456.18	
							Qty Carried to Summary	456.18	

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yak. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE BMC

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yak. Zn)
Yelahanka, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 11		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs .complete as per specificaiton and directions of the Engineer in charge.							
Measurements taken on		31-05-21 31-5-21							
		Quantity Measured in 1st RA Bill	Sqm					255.37	
		Quantity Measured in 3rd RA Bill	Sqm					459.15	
		Present Bill Measuement							
		Bangla School							
		New Building							
		First Floor Roof Slab							
		Along 1-3 b/w A-H	Sqm	1	36.32	9.42		341.94	
		Along A-C b/w 3-5	Sqm	1	12.38	10.38		128.53	
		Along H between 2-3	Sqm	1	3.51	2.25		7.90	
		Deduction							
		Along B'&D between 1-2	Sqm	-1	5.20	3.70		-19.22	
		Existing Building							
		First Floor Roof Slab							
		Along 9-6 b/w L- Q	Sqm	1	20.42	9.70		198.07	
		C&C	Sqm	1	11.20	2.50		28.00	
							Total Executed Quantity	1399.73	
							Qty Carried to Summary	1399.73	

A.E.E 31/05

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE BMC

CONTRACTOR

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)

ASSISTANT EXECUTIVE ENGINEER

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 12		Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and directions of the Engineer in charge.							
Measurements taken on		02-06-21 02-6-21.							
		Quantity Measured in 1st RA Bill	Sqm					11.56	
		Quantity Measured in 3rd RA Bill	Sqm					20.47	
		Present Bill Measuement							
		New Building							
		First Floor Roof Slab Sides							
		Along 1-3 b/w A-H	Sqm	1	92.05		0.15	13.81	
		Along A-C b/w 3-5	Sqm	1	35.14		0.15	5.27	
		Along H between 2-3	Sqm	1	9.27		0.15	1.39	
		Existing Building							
		First Floor Roof Slab Sides							
		Along 9-6 b/w L- Q	Sqm	1	60.24		0.15	9.04	
			Sqm	1	27.40		0.15	4.11	
							Total Executed Quantity	65.64	
							Qty Carried to Summary	65.64	

A.E.E 02/06

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yak. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE PMC

CONTRACTOR

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yak. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 13		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge.							
Measurements taken on		02-06-21 02-06-21.							
		Quantity Measured in 1st RA Bill	Sqm					72.33	
		Quantity Measured in 3rd RA Bill	Sqm					232.81	
		Present Bill Measuement							
		Bangla School							
		New Building							
		First Floor Roof Beam							
		B1(300X750)	Sqm	2	8.43		0.60	10.12	
		B2(300X600)	Sqm	2	24.19		0.45	21.77	
		B3(300X450)	Sqm	2	4.30		0.30	2.58	
		B4(300X600)	Sqm	2	36.32		0.45	32.69	
		B5(300X600)	Sqm	2	36.32		0.45	32.69	
		B6(300X750)	Sqm	2	10.38		0.60	12.46	
		B7(300X600)	Sqm	2	10.38		0.45	9.34	
		B8(300X600)	Sqm	2	19.30		0.45	17.37	
		B9(300X600)	Sqm	2	19.30		0.45	17.37	
		B10(300X600)	Sqm	2	11.78		0.45	10.60	
		B11(300X600)	Sqm	2	7.52		0.45	6.76	
		B12(300X600)	Sqm	6	7.52		0.45	20.29	
		B13(300X600)	Sqm	2	7.52		0.45	6.76	
		Lintels							
		Through Lintel							
		Along long direction	Sqm	2	32.62		0.15	9.79	
			Sqm	2	22.69		0.15	6.81	
		Along short direction	Sqm	2	19.28		0.15	5.77	
			Sqm	2	11.13		0.15	3.34	
		Existing Building							
		First Floor Roof Beam							
		B14(200X450)	Sqm	4	20.42		0.30	24.50	
		B14(200X450)	Sqm	2	32.20		0.30	19.32	
		B15(200X750)	Sqm	2	12.20		0.60	14.64	
		B16(200X750)	Sqm	2	9.70		0.60	11.64	
		B17(200X450)	Sqm	6	9.70		0.30	17.46	
		B18(200X750)	Sqm	4	9.70		0.60	23.28	
							Total Executed Quantity	642.48	
							Qty Carried to Summary	642.48	

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE RMC

ASSISTANT ENGINEER

Asst. Executive Engineer Yelahanka Sub Division (BBMP Ynk Zn) Bangalore

ASSISTANT EXECUTIVE ENGINEER

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
From	To								
Item No. 53		Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification. complete as per specifications and directions of the Engineer in charge.							
Measurements taken on		17-06-21 17-6-21.							
		Present Bill Measurements							
		Bangla School							
			Cum	4	5.8	6.80	0.6	94.66	
			Cum	1	8	9.3	0.6	44.64	
			Cum	1	8	12	0.6	57.60	
			Cum	1	7.3	3.7	0.6	16.21	
							Total Executed Quantity	213.10	
							Qty Carried to Summary	213.10	

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yak. Zn)
Yelahanka, Bangalore

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yak. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
Item No. 63		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.complete as per specifications and directions of the Engineer in charge. (First Floor)							
Measurements taken on		09-04-21, 28-05-21, 21-05-21, 11-06-21, 10-05-21, 11-05-21							
		Present Bill Measurements							
		Bangla School							
		Columns	tonne		From Steel calculation sheet			5.13	
		First Floor Roof Beam	tonne		From Steel calculation sheet			13.27	
		First Floor Roof Slab	tonne		From Steel calculation sheet			20.43	
		First Floor Staircase	tonne		From Steel calculation sheet			0.45	
		First Floor Lintel	tonne		From Steel calculation sheet			0.33	
		First Floor Chajja	tonne		From Steel calculation sheet			0.24	
							Total Executed Quantity	39.86	
							Qty Carried to Summary	39.86	

A.E.E 11/05.

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE PMC

CONTRACTOR ASSISTANT ENGINEER ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Project name	CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)
Client	M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064
Description	Steel calculation sheet

PREMEASUREMENT SHEET

FIFTH AND PART BILL

	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
Chainage			mm			m	m	m	m	kg/m	Kg's
From To											
Item No. 63	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.complete as per specifications and directions of the Engineer in charge. (First Floor)										
Measurements taken on	09-04-21, 28-05-21, 28-05-21, 11-06-21, 10-05-21, 11-05-21										
	Present Bill Measuement										
	Bangla School										
	Columns										
	New Building										
	Columns upto First floor Roof beam bottom										
	C1	2	25	14	28	3.60	0.00	3.60	100.80	3.85	388.42
	Rectangle Rings @ 250 c/c	2	8	16	32	1.50	0.00	1.50	48.00	0.39	18.94
	Rectangle Rings @ 250 c/c	2	8	16	32	1.50	0.00	1.50	48.00	0.39	18.94
	C2	8	25	12	96	3.60	0.00	3.60	345.60	3.85	1331.72
	Rectangle Rings @ 250 c/c	8	8	16	128	1.20	0.00	1.20	153.60	0.39	60.61
	Rectangle Rings @ 250 c/c	8	8	16	128	1.20	0.00	1.20	153.60	0.39	60.61
	C2	2	25	12	24	3.60	0.00	3.60	86.40	3.85	332.93
	Rectangle Rings @ 250 c/c	2	8	16	32	1.20	0.00	1.20	38.40	0.39	15.15
	Rectangle Rings @ 250 c/c	2	8	16	32	1.20	0.00	1.20	38.40	0.39	15.15
	C3	4	25	10	40	3.60	0.00	3.60	144.00	3.85	554.88
	Rectangle Rings @ 250 c/c	4	8	16	64	1.50	0.00	1.50	96.00	0.39	37.88
	Rectangle Rings @ 250 c/c	4	8	16	64	1.50	0.00	1.50	96.00	0.39	37.88
	C4	4	25	8	32	3.60	0.00	3.60	115.20	3.85	443.91
	Rectangle Rings @ 250 c/c	4	8	16	64	1.20	0.00	1.20	76.80	0.39	30.30

A.E.E

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
ASSISTANT EXECUTIVE ENGINEER
(BBMP Ynk. Zn)
Yelahanka, Bangalore

PREMEASUREMENT SHEET
FIFTH AND PART BILL

Chainage From	Chainage To	Description	Nos	BAR DIA	No. Bars	Total No. bars	L	Crank length (42d)	Actual Length	Total Length	Weight	Total weight
				mm			m	m	m	m	kg/m	Kg's
		Main bars 8# @130 c/c at top		8	16	16	0.95	0.00	0.95	14.83	0.39	5.88
		Distribution bars 8# @250 c/c		8	5	5	1.90	0.00	1.90	9.12	0.39	3.60
		W1	5									
		Main bars 8# @130 c/c at top		8	13	63	0.95	0.00	0.95	59.56	0.39	23.50
		Distribution bars 8# @250 c/c		8	5	24	1.50	0.00	1.50	36.00	0.39	14.21
										Sub Total		239.72
										Total Steel Quantity in Kg		39857.68
										Total Steel Quantity in tonne		39.86

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS
BANGALORE
BMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks
E1		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. All terms and conditions are as per Tender Document(First Floor)							
Measurements taken on		14-06-21 14-6-21.							
		Present Bill Measuement							
		Bangla School							
		Chajja							
		Bottom	Sqm	1	4.9	0.45		2.21	
		Front	Sqm	1	4.9		0.1	0.49	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	3	4.8	0.45		6.48	
		Front	Sqm	3	4.8		0.1	1.44	
		Side	Sqm	6	0.45		0.1	0.27	
		Bottom	Sqm	1	6.5	0.45		2.93	
		Front	Sqm	1	6.5		0.1	0.65	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	4.8	0.45		2.16	
		Front	Sqm	1	4.8		0.1	0.48	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	1.7	0.45		0.77	
		Front	Sqm	1	1.7		0.1	0.17	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	5.1	0.45		2.30	
		Front	Sqm	1	5.1		0.1	0.51	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	2.2	0.45		0.99	
		Front	Sqm	1	2.2		0.1	0.22	
		Side	Sqm	2	0.45		0.1	0.09	
		Bottom	Sqm	1	1.9	0.45		0.86	
		Front	Sqm	1	1.9		0.1	0.19	
		Side	Sqm	2	0.45		0.1	0.09	
		WI							
		Bottom	Sqm	5	1.50	0.45		3.38	
		Front	Sqm	5	1.5		0.1	0.75	
		Side	Sqm	10	0.45		0.1	0.45	
							Total Executed Quantity	**28.30**	
							Qty Carried to Summary	**28.30**	

AEE

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

CONTRACTOR

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

EMB

Fifth and Part Bill

Measurement Sheet

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BUILDINGS AND OTHER CIVIL WORKS AND PLAYGROUNDS IN WARD NO - 01,03 & 04 UNDER BUILDINGS/ PLAYGROUNDS / HOSPITALS HEAD IN CHIEF MINISTER NAVA NAGAROTHAN GRANTS OF YELAHANKA DIVISION (PACKAGE- 11)

MEASUREMENT SHEET

Fifth and Part Bill

Client: **M/s SMLP Asphalts, prop. Sir B.B.Umesh, No: 1265 Next to Andhara Bank, Major Sandeep Unnikrishnan Road, Yelahanka New Town Bangalore-560064**

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 10		Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton and directions of the Engineer in charge.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 01						456.18			
		Tender Quantity						363.48			
		Quantity Upto 125%						454.25			
		DPQ Quantity Paid in 3rd RA Bill						131.61			
		DPQ Quantity Paid in 4th RA Bill						104.65			
		Now To be Paid Qty									
		Quantity Upto 125%						219.92	517.10	113718.05	
Item No. 11		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs .complete as per specificaiton and directions of the Engineer in charge.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 02						1399.73			
		Tender Quantity						1298.32			
		Quantity Upto 125%						1399.73			
		DPQ Quantity Paid in 1st RA Bill						255.37			
		DPQ Quantity Paid in 3rd RA Bill						459.15			
		Now To be Paid Qty									
		Quantity Upto 125%						685.22	453.60	310815.63	
Item No. 12		Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and directions of the Engineer in charge.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 03						65.64			
		Tender Quantity						59.90			
		Quantity Upto 125%						65.64			
		DPQ Quantity Paid in 1st RA Bill						11.56			
		DPQ Quantity Paid in 3rd RA Bill						20.47			
		Now To be Paid Qty									
		Quantity Upto 125%						33.62	856.17	28780.28	
Item No. 13		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons and directions of the Engineer in charge.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 04						642.48			
		Tender Quantity						858.06			
		DPQ Quantity Paid in 1st RA Bill						72.33			
		DPQ Quantity Paid in 3rd RA Bill						232.81			
		Now To be Paid Qty						337.34	331.13	111703.43	

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 14		Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton and as per the directions of the Engineer-in-charge of the work. (GROUND FLOOR) All terms and conditions are as per Tender Document									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 05						80.31			
								Tender Quantity	78.24		
								Quantity Upto 125%	80.31		
								DPQ Quantity Paid In 1st RA Bill	26.88		
								DPQ Quantity Paid in 3rd RA Bill	26.72		
								Now To be Paid Qty			
								Quantity Upto 125%	26.72	589.68	15753.30
Item No.17		Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and directions of the Engineer in charge. (First Floor)									
Measurements taken on											
		Present Bill Measuement									
		Bangla School									
		New Building									
		Columns upto First floor Roof beam bottom									
		C1	Cum	2	0.60	0.30	2.85	1.03			
		C2	Cum	7	0.60	0.30	2.85	3.59			
		C2	Cum	1	0.60	0.30	3.00	0.54			
		C2'	Cum	2	0.60	0.30	3.00	1.08			
		C3	Cum	4	0.60	0.30	3.00	2.16			
		C4	Cum	4	0.60	0.30	3.00	2.16			
		C5	Cum	7	0.30	0.30	3.00	1.89			
		Staircase									
		Waist Slab	Cum	1	3.80	1.80	0.15	1.05			
			Cum	1	3.80	1.80	0.15	1.03			
		Landing	Cum	1	4.10	1.80	0.15	1.11			
		Steps	Cum	24	1.80		0.02	0.97			
		Stairs beam	Cum	1	3.70	0.20	0.30	0.22			
		Lintel									
		Through Lintel									
		Along long direction	Cum	1	32.62	0.20	0.15	0.98			
			Cum	1	22.69	0.20	0.15	0.68			
		Along short direction	Cum	1	19.23	0.20	0.15	0.58			
			Cum	1	11.13	0.20	0.15	0.33			
		Existing Building									
		Columns upto First floor Roof beam bottom									
		C	Cum	15	0.25	0.45	3.15	5.32			
		C	Cum	8	0.20	0.20	3.15	1.01			
		C	Cum	1	0.23	0.23	3.15	0.16			

A.E.E

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yel. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
		W1	Sqm	-19	1.80	1.50		-51.30			
		W	Sqm	-8	1.50	1.20		-14.40			
							Total Executed Quantity	565.65			
							Tender Quantity	840.62			
							DPQ Quantity Paid in 1st RA Bill	156.79			
							DPQ Quantity Paid in 3rd RA Bill	10.18			
							Now To be Paid Qty	398.67	295.97	117992.88	
Item No.24		Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (First Floor)									
Measurements taken on											
		Quantity Measured in 1st RA Bill	Sqm					283.70			
		Quantity Measured in 3rd RA Bill	Sqm					7.37			
		Present Bill Measuement									
		External Plastering									
		Bangla School									
		New Building									
		First floor	Sqm	1	36		3.6	130.68			
			Sqm	2	22		3.6	156.96			
			Sqm	1	8		3.5	115.92			
			Sqm	1	2		3.5	6.56			
			Sqm	2	7		3.5	51.06			
			Sqm	1	24		3.6	87.12			
		Chajja									
		Bottom	Sqm	1	4.9	0.45		2.21			
		Front	Sqm	1	4.9		0.1	0.49			
		Side	Sqm	2	0.45		0.1	0.09			
		Bottom	Sqm	3	4.8	0.45		6.48			
		Front	Sqm	3	4.8		0.1	1.44			
		Side	Sqm	6	0.45		0.1	0.27			
		Bottom	Sqm	1	6.5	0.45		2.93			
		Front	Sqm	1	6.5		0.1	0.65			
		Side	Sqm	2	0.45		0.1	0.09			
		Bottom	Sqm	1	4.8	0.45		2.16			
		Front	Sqm	1	4.8		0.1	0.48			
		Side	Sqm	2	0.45		0.1	0.09			
		Bottom	Sqm	1	1.7	0.45		0.77			
		Front	Sqm	1	1.7		0.1	0.17			
		Side	Sqm	2	0.45		0.1	0.09			
		Bottom	Sqm	1	5.1	0.45		2.30			
		Front	Sqm	1	5.1		0.1	0.51			
		Side	Sqm	2	0.45		0.1	0.09			
		Bottom	Sqm	1	2.2	0.45		0.99			
		Front	Sqm	1	2.2		0.1	0.22			

A.E.E

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
ASSISTANT EXECUTIVE ENGINEER
(BBMP Thr. Zn)
Yelahanka, Bangalore

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
			Sqm	1	30						
			Sqm	1	40		3.45	104.19			
		Deduction					3.45	138.00			
		W1	Sqm	-8	1.50						
		D1	Sqm	-3	1.20		1.50	-18.00			
							2.10	-7.56			
							Total Executed Quantity	572.67			
							Tender Quantity	967.80			
							Now To be Paid Qty	572.67	238.14	136375.63	
Item No.29		Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charge. (Ground Floor)									
		Quantity Measured in 1st RA Bill						77.25			
		New Building									
		Bangla School									
		Present Bill Measurements									
		Class Rooms	Sqm	4.00	5.80	7.10		164.72			
		anganvadi	Sqm	1.00	8.00	9.30		74.40			
		Tailoring	Sqm	1.00	8.20	12.00		98.40			
		Corridor									
			sqm	1.00	1.90	12.30		23.37			
							Total Executed Quantity	438.14			
							Tender Quantity	967.80			
							DPQ Quantity Paid In First RA Bill	77.25			
							Now To be Paid Qty	360.89	255.15	92081.08	
Item No.42		Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern and one coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of the Engineer in charge.(First Floor)									
Measurements taken on											
		Present Bill Measuement									
		Quantity Measured in 3rd RA Bill	Kg					362.88			
		Present Bill Measuement									
		Bangla School									
		First Floor									
		New Building	Kg				47.25	1134.00			
		W1	kg	24	21kg per sqm 1.5*1.5*21=47.25						
		Existing Building					47.25	378.00			
		W1	kg	8	21kg per sqm 1.5*1.5*21=47.25						
							Total Executed Quantity	1874.88			
							Tender Quantity	1905.12			
							Quantity Paid 3rd RA Bill	362.88			
							Now To be Paid Qty	1512.00	114.53	173169.36	

A.E.E

A.E.E

CONTRACTOR

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No. 53		Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification. complete as per specifications and directions of the Engineer in charge.									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 06						213.10			
		Tender Quantity						430.82			
		Now To be Paid Qty						213.10	361.73	77085.39	
Item No. 54		Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications complete as per specifications and directions of the Engineer in charge									
			Cum								
		Vide Total executed Quantity from premeasuremet Page no. 07						66.05			
		Tender Quantity						113.32			
		DPQ Quantity Paid in 1st RA Bill						12.78			
		Now To be Paid Qty						53.28	6148.55	327567.08	
Item No. 61		Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. complete as per specifications and directions of the Engineer in charge.									
Measurements taken on											
		Present Bill Measuement									
		Bangla School									
		Chajja									
			Sqm	1	4.90	0.45		2.21			
			Sqm	3	4.80	0.45		6.48			
			Sqm	1	6.50	0.45		2.93			
			Sqm	1	4.80	0.45		2.16			
			Sqm	1	1.70	0.45		0.77			
			Sqm	1	5.10	0.45		2.30			
			Sqm	1	2.20	0.45		0.99			
			Sqm	1	1.90	0.45		0.86			
			Sqm	5	1.50	0.45		3.38			
		W1					**Total Executed Quantity**	22.08			
							Tender Quantity	43.92			
							Now To be Paid Qty	22.05	568.13	12527.27	
Item No. 63		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications complete as per specifications and directions of the Engineer in charge. (First Floor)									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no. 08						39.86			
		Tender Quantity						21.63			
		Quantity Upto 125%						27.04			
		Quantity Above 125%						12.81			
		Now To be Paid Qty									
		Quantity Upto 125%						27.04	81323.68	2199267.94	
		Quantity Above 125%						12.81	89308.17	1144418.36	

RUDRAPRASAD CONSULTANTS BANGALORE PMC

CONTRACTOR

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
Item No.68		Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications.complete as per specifications and directions of the Engineer in charge. (first Floor)									
		Present Bill Measuement									
		Bangla School									
		New Building									
		Corridor Wall	Sqm	1	14.30		0.90	12.87			
			Sqm	1	25.60		0.90	23.04			
		Above Existing Building									
		Corridor Wall	Sqm	1.00	12.10		0.90	10.89			
			Sqm	1.00	32.30		0.90	29.07			
							Total Executed Quantity	75.87			
							Tender Quantity	56.24			
							Quantity Upto 125%	70.30			
							Quantity Above 125%	5.57			
							Now To be Paid Qty				
							Quantity Upto 125%	70.30	959.36	67443.01	
							Quantity Above 125%	5.57	959.36	5343.64	
Item No.69		Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications complete as per specifications and directions of the Engineer in charge (Second Floor)									
		Present Bill Measuement									
		Bangla School									
		New Building									
		Parapet wall	Sqm	1	58.10		0.90	52.29			
			Sqm	1	48.80		0.90	43.92			
		Existing Building Above	Sqm								
			Sqm	1	60.20		0.90	54.18			
							Total Executed Quantity	150.39			
							Tender Quantity	158.24			
							Now To be Paid Qty	150.39	999.05	150247.13	
Item No. 87		Providing and fixing M.S. grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.complete as per specifications and directions of the Engineer in charge									
		Present Bill Measuement									
		Bangla School									
		First Floor									
		New Building	Kg				47.25	897.75			
			kg	19.00	21kg per sqm 1.5*1.5*21=47.25						
							47.25	378.00			
			kg	8.00	21kg per sqm 1.5*1.5*21=47.25						
							Total Executed Quantity	1275.75			
							Tender Quantity	2286.90			
							Now To be Paid Qty	1275.75	107.73	137436.55	

A.E.E

A.E.E

A.E.E

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
BBMP Yak. Zo)
Yelahanka, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
From	To										
Item No. 119		Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar,with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete for beams,staircase,and roof with M-25 and as per the directions of the Engineer-in-charge of the work -- All terms and conditions are as per Tender Document.									
Measurements taken on											
		Third and Part Bill Measurement									
		Ground Floor Roof beam									
		B1(300X750)	Cum	1	8.43	0.30	0.60	1.52			
		B2(300X600)	Cum	1	24.19	0.30	0.45	3.27			
		B3(300X450)	Cum	1	4.30	0.30	0.30	0.39			
		B4(300X600)	Cum	1	39.83	0.30	0.45	5.38			
		B5(300X600)	Cum	1	39.83	0.30	0.45	5.38			
		B6(300X750)	Cum	1	10.38	0.30	0.60	1.87			
		B7(300X600)	Cum	1	10.38	0.30	0.45	1.40			
		B8(300X600)	Cum	1	19.30	0.30	0.45	2.60			
		B9(300X600)	Cum	1	19.30	0.30	0.45	2.60			
		B10(300X600)	Cum	1	11.78	0.30	0.45	1.59			
		B11(300X600)	Cum	1	7.52	0.30	0.45	1.01			
		B12(300X600)	Cum	3	7.52	0.30	0.45	3.04			
		B13(300X600)	Cum	1	7.52	0.30	0.45	1.01			
		Ground Floor Roof Slab									
		Along 1-3 b/w A-H	Cum	1	36.32	9.42	0.15	51.29			
		Along A-C b/w 3-5	Cum	1	12.38	10.38	0.15	19.28			
		Along H between 2-3	Cum	1	3.51	2.25	0.15	1.18			
		Deduction									
		Along B'&D between 1-2	Cum	-1	5.20	3.70	0.15	-2.88			
		Present Bill Measuement									
		Bangla School									
		First Floor Roof Beam									
		B1(300X750)	Cum	1	8.43	0.30	0.60	1.52			
		B2(300X600)	Cum	1	24.19	0.30	0.45	3.27			
		B3(300X450)	Cum	1	4.30	0.30	0.30	0.39			
		B4(300X600)	Cum	1	36.32	0.30	0.45	4.90			
		B5(300X600)	Cum	1	36.32	0.30	0.45	4.90			
		B6(300X750)	Cum	1	10.38	0.30	0.60	1.87			
		B7(300X600)	Cum	1	10.38	0.30	0.45	1.40			
		B8(300X600)	Cum	1	19.30	0.30	0.45	2.60			
		B9(300X600)	Cum	1	19.30	0.30	0.45	2.60			
		B10(300X600)	Cum	1	11.78	0.30	0.45	1.59			
		B11(300X600)	Cum	1	7.52	0.30	0.45	1.01			
		B12(300X600)	Cum	3	7.52	0.30	0.45	3.04			
		B13(300X600)	Cum	1	7.52	0.30	0.45	1.01			
		First Floor Roof Slab									
		Along 1-3 b/w A-H	Cum	1	36.32	9.42	0.15	51.29			
		Along A-C b/w 3-5	Cum	1	12.38	10.38	0.15	19.28			
		Along H between 2-3	Cum	1	3.51	2.25	0.15	1.18			
		Deduction									
		Along B'&D between 1-2	Cum	-1	5.20	3.70	0.15	-2.88			

A.E.E.

02/05/2017

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
ASSISTANT EXECUTIVE ENGINEER
Yelahanka, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs	Remarks
m	To										
		Existing Building									
		First Floor Roof Beam									
		B14(200X450)	Cum	2	20.42	0.20	0.30	2.45			
		B14(200X450)	Cum	1	32.20	0.20	0.30	1.93			
		B15(200X750)	Cum	1	12.20	0.20	0.60	1.46			
		B16(200X750)	Cum	1	9.70	0.20	0.60	1.16			
		B17(200X450)	Cum	3	9.70	0.20	0.30	1.75			
		B18(200X750)	Cum	2	9.70	0.20	0.60	2.33			
		First Floor Roof Slab									
		Along 9-6 b/w L-D	Cum	1	20.42	9.70	0.15	29.71			
			Cum	1	11.20	2.50	0.15	4.20			
							Total Executed Quantity	243.93			
							Tender Quantity	213.87			
							Quantity Upto 125%	243.93			
							DPQ Qty paid in 3rd RA Bill	219.75			
							Now To be Paid Qty				
							Quantity Upto 125%	24.17	6233.60	150667.68	
E1		Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specificaiton. All terms and conditions are as per Tender Document(Ground Floor)									
			Sqm								
		Vide Total executed Quantity from premeasuremet Page no. 09						28.30			
							Now To be Paid Qty	28.30	366.28	10365.78	
E2		Providing RCC loft (atta) 7.5cms thick with cement concrete design mix M20 using clean granite or trap jelly of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges).(page no 19 item no.4.54)									
Measurements taken on											
		Ground Floor									
		Class Rooms	Sqm	3	5.80	0.45		7.83			
			Sqm	1	0.60	0.45		0.27			
							Total Executed Quantity	8.10			
							Now To be Paid Qty	8.10	486.49	3940.64	
									Total Amount	6549009.95	
									12% GST	785881.19	
									Grand Total Amount	7334891.14	

A.E.E

A.E.E

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

CONTRACTOR

RUDRAPRASAD CONSULTANTS BANGALORE PMC

ASSISTANT ENGINEER

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

ASSISTANT EXECUTIVE ENGINEER